M/S ORGANIC PLAST

ANTIMICROBIAL PLASTIC FILM / SHEET

PRODUCT TESTED FROM WORLD RENOWNED TESTING LABORATORY





Product Concept

Basic concept

- ★ The Bio Nano Silver[™] is directly incorporated into the polymer of LDPE / LLDPE / HDPE / Compostable virign plastic granules.
- During the blown film process, the aforesaid granules mixes with the regular / virgin polymer, which emits the Minute particles on the surface of film.
- The Nano Silver particles on the surface of the film will be acting as Antimicrobial properties in the plastic film.
- Antimicrobial film fights the propagation of harmful bacterial & other biological containment including fungi,mildew & viruses.



Nanotechnology

Antimicrobial Additives

- ❖ Product Bio Nano Silver[™] is a solution of Nano Silver ion that manufacture from the technique of Biologically Synthesis Nanotechnology. The product is registered under category of Nutraceutical from FASSAI.
- Non-toxic, Environmental friendly & 100% safe for human kind
- The Particles size of the Silver ions are in Nanometer, which is around 40,000 times smaller than the Human Hair

What is Nanotechnology ?

"Nanotechnology is the art and science of manipulating matter / elements or product at **NANO SCALE**"



Silver Concept

Why Nano Silver Ion used in the Multi layer blown film ?

- Since ancient times & 1000 of decades, the silver known as an effective against a broad range of microorganisms.
- The Greeks used silver vessels to keep water fresh. The Roman Empire stored wine in silver to prevent spoilage.
- Australian people suspend silverware in their water tanks to retard spoilage.
- Japanese work place, silver is a popular agent in the fight against airborne toxins.
- In Switzerland silver water filters purifier were used in homes and offices to prevent the growth of micro organisms.
- Some **U.S**. municipalities use silver in treatment of sewage.

In Ayurvedic medicine, silver used as a tonic, elixir or

rejuvenative agent for patients debilitated by age or disease. by

Silver Foil used in Indian sweets as Varakh.

31LIJI617 BI



Working Principal of Nano Silver

- When Microorganism (MO) exposed to Silver Ion, it bind to surface of cell wall of the MO.
- Silver Ion creating a rupture leading to cell lysis, breakdown of the cell wall of the MO.
- Due to Nano in size, silver ion enter inside the cell of the micro-organism that attached to metabolic enzymes.
- These enzyme provide energy to the cell, leading to stopping the transfer of nutrients and suffocation the microorganism.
- It further stopping reproduction of the cell.



Product Efficacy

ANTI-MICROBIAL EFFICACY

- > Nano size of Silver Ion increase the contact surface area .
- Bio Nano SilverTM interaction with the MO, 80-100 times as compared to other Antimicrobial plastic films.
- ➢ Bio Nano Silver[™] inhibits growth of the MO 99.99%.
- Bio Nano SilverTM effective Antimicrobial in controlling more than 650 Micro-organisms, i.e Bacteria, fungus, Protozoa, Algae, Virus and may Corona Viruses as well.
- Antimicrobial plastic film tested from World renowned Lab known as SGS, India and Eurofins, India.
- Excellent and remarkable result in controlling the MO growth on the surface of the film.



Antimicrobial Plastic Film

Product Information

- > Antimicrobial properties **incorporated** in **any** layer.
- Antimicrobial properties can be Incorporated in LDPE/ LLDPE/HDPE/Compostable plastic film.
- Antimicrobial Finished Product: Shrink film, Stretch Film, Lamination, Polybag, Grocery bags, compostable bag, Liner, Packaging film, Commercial packaing / liner, etc.
- Antimicrobial packing increase shelf life of the perishable product and reduce the cost of the preservation
- Nano Silver particles are barrier against the transmission of Microorganism agents between food / equipment / surfaces with the external unhygienic enviroments.



Product Features

Fetures of Antimicrobial Plastic

- Protect, control and resistance to spread of pathogenic germs, viruses and microorganisms, etc.
- Added safety for workers, customers, and products
- Resistance to water and wash. Effective in range of temperature
- Non-toxic and 100 % safe additive for the Environment.
- Long-Lasting performance & increases shelf life of packaging.
- Innovative solution prevent spoilage of the perishable items, surfaces protection, hospitals, public area, Food Packaging, clean room, Healthcare / Medical packaging, Appliances, Building material, Consumer goods packaging, etc.
- World wide Market for the Antimicrobial Plastic Film.





Test Report

			Print Date : 02/09/2021				
SAMPLE NOT DRAWN BY SGS INDIA PVT. LTD.							
Sample / Report No	: GG21-006224.001		JOE No : GG21-006224				
Oceanala Decemika di ku Oue	Report Control No : GGR0000656357						
Sample Described by Cus	tomer as : CONTROL & TREATED WIT • ORGANIC PLAST	H BIO NANO SILVER					
Client Name	•						
Client Address	: C-34, SIGADDI GROWTH CENTRE : PAURI GARHWAL						
Postal Code	: 246149						
State	: Uttarakhand						
Country	: INDIA						
Sample Type	: CONTROL & TREATED WITH BIO NANO SI	LVER					
Received	: 23/08/2021						
Registered	• 23/08/2021						
Batch number	- 001						
Sample quantity	1x2 Pcs.						
M.F.G Date.	AUGUST 2021						
Test Start/End Date	23/08/2021 - 02/09/2021	X					
Analysis	Method	Result	Unit]			
Surface Antimicrobia	I Activity	0.0 4045	- f . (m)				

Surface Antimicrobial Activity Escherichia coli	JIS Z 2801-2010	3.0 x10^5	cfu/ml
Control.		\sim	
0 Hours count	JIS Z 2801-2010	2.6x10^5	cfu/ml
After 24 Hours count	JIS Z 2801-2010	2.8x10^4	cfu/ml
Value of Antimicrobial activity	JIS Z 2801-2010	4	%
Staphylococcus Aureus	JIS Z 2801-2010	8.1x10^5	cfu/ml
Control.			
0 Hours count	JIS Z 2801-2010	8.1x10^5	cfu/ml
After 24 Hours count	JIS Z 2801-2010	7.8x10^5	cfu/ml
Value of Antimicrobial activity	JIS Z 2801-2010	1	%
Escherichia coli	JIS Z 2801-2010	3.0x10^5	cfu/ml
Treated With Bio nano Silver.	\bigcirc		
0 Hours count	JIS Z 2801-2010	2.1x10^4	cfu/ml
After 24 Hours count	JIS Z 2801-2010	1.0 x10^1	cfu/ml
Value of Antimicrobial activity	JIS Z 2801-2010	99	%
Staphylococcus Aureus	JIS Z 2801-2010	8.1x10^5	cfu/ml
Treated With Bio nano Silver.			
0 Hours count	JIS Z 2801-2010	3.0 x10^4	cfu/ml
After 24 Hours count	JIS Z 2801-2010	2.0x10^1	cfu/ml
Value of Antimicrobial activity	JIS Z 2801-2010	99	%

Page 1 of 2

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at ">http://wwww.sgscoup.in/Service-Terms>">http://www.sgscoup.in/Service-Term

Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 30 days for all other samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the Company.

For any feedback or complaint please write to us at. Feedback.Mlgurgaon@sgs.com \<https://sgs.surveymonkey.com/r/2JJCBYP>

Laboratory Services, Plot No-21, Sector-3 IMT Manesar, Gurgoan District, Haryana - 122050, India Tel: 0124-678 7600 SGS India Pvt. Ltd.

Read & Corp. Off : SGS House, 4B, A.S. Mara, Vikhroli (West), Mumbai-400083. Tel : (022) 25798421 to 28 Fax : (022) 25798431 to 35 www.sas.com



<u>Test Report</u>

SAMPLE NOT DRAWN BY SGS INDIA PVT. LTD.

Print Date : 02/09/2021

GG21-006224

Sample / Report No GG21-006224.001

Report Control No : GGR0000656357

Remark : Two plastic film tested, one is transparent and other have minute particles on the surface. Transparent plastic shows the growth of the microorganism where as other showed no growth of the microorganism.

Per pro SGS India Private Ltd

JOE No

a vadh

Dr_Avinash Sr. Executive-Microbiology Authorized Signatory ****End of Report****

Page 2 of 2

yroanicpla

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <<u>http://www.segroup.in/Service-Terms></u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents a ">www.segroup.in/Service-Terms>">www.segroup.in/Service-Terms> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents a ">www.segroup.in/Service-Terms> <u>Directory 6 for Need to release.zip/Need to release/valerie_lebrazidec/Local Settings/Temporary Internet Files/OLK1A/www.segroup.in/Service-Terms></u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions , if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full,

Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 30 days for all other samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the Company.

For any feedback or complaint please write to us at. Feedback.Mlgurgaon@sgs.com \<https://sgs.surveymonkey.com/r/2JJCBYP>

Laboratory Services, Plot No-21, Sector-3 IMT Manesar, Gurgoan District, Haryana - 122050, India Tel: 0124-678 7600 SGS India Pvt. Ltd.

Read & Corp. Off : SGS House, 4B, A.S. Marg, Vikhroli (West), Mumbai-400083. Tel : (022) 25798421 to 28 Fax : (022) 25798431 to 35 www.sqs.com



<u>Test Report</u>

SAMPL	Print Date : 29/08/20				
	T DRAWN BY SGS INDIA PVT. LTD.				
Sample / Report No : GG21-005982.001	JOE No : GG21-0059				
	Control No : GGR0000456172				
	TREATED WITH BIO NANO SILVER				
Client Name ORGANIC PLAST					
Client Address : C-34, SIGADDI GROWTH C	E				
· PAURI GARHWAL					
Postal Code : 246149					
State : Uttarakhand					
Country <u>INDIA</u>	A .				
Sample Type : PLAST FILM TREATED V	BIO NANO SILVER				
Received : 01/08/2021					
Registered : 02/08/2021					
Batch number : 001					
Sample quantity 1 Pcs.					
M.F.G Date. AUGUST 2021					
Test Start/End Date : 02/08/2021 - 29/08/2021					
	TEST RESULT				
Analysis	Method ATCC				
Surface Antimicrobial Acti	ASTM G-21				
Aspergillus brasiliensis	6404				
Aureobasidium pullulans	201253				
Chaetominum globosum	6205				
Trichoderma virens	13213				
Pencillium funiculosum	11797				
Time of Incubation : 28 Days					
Relative Humidity : 90 %					
Examine: Test sample examine	y 7 days to monitor progress				
ASTM G-21 VISUAL RATING C	ASTM G-21 VISUAL RATING OF FUNGUS ON SPICEMEN:				
Test Item	Observed growth on Rating / Resistance Specimen level				
ASTM G-21	No Growth 0				

Remark :

The test item is plastic film contains minute silver particles on the surface. The product shows No growth on the spicemen.

Per pro SGS India Private Ltd

A va

Dr_Avinash Sr. Executive-Microbiology Authorized Signatory

****End of Report****

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <<u>http://www.sgsgroup.in/Service-Terms></u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents a www.sgs.com/terms_e-document.htm ..././Local Settings/Temp/Temporary Directory 6 for Need to release.zip/Need to release/valerie_lebrazidec/Local Settings/Temporary Internet Files/OLK1A/www.sgs.com/terms_e-document.htm>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full,

Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 30 days for all other samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the Company.

For any feedback or complaint please write to us at. Feedback.Mlgurgaon@sgs.com \<https://sgs.surveymonkey.com/r/2JJCBYP>
Laboratory Services, Plot No-21, Sector-3 IMT Manesar, Gurgoan District, Haryana - 122050, India Tel: 0124-678 7600

SGS India Pvt. Ltd. Regd & Corp. Off : SGS House, 4B, A.S. Marg, Vikhroli (West), Mumbai-400083. Tel : (022) 25798421 to 28 Fax : (022) 25798431 to 35 www.sgs.com



The Standard Virus effect (germ kill efficacy) of Evaluation

Customer Detail – Organic Plast

C-34, Sigaddi Growth Centre, Kotdwar, Uttarakhand, 246149

Sample Name: Plastic film Control & treated with Bio Nano Silver

Validation Report

Sample Code- 260-2021-09000406

Sample Receipt : Sep 10,2021

Analysis Start date : Sep 10,2021

Analysis End Date : Sep 21,2021

Test Method : EASI – MB-SOP -32 (In House Method)

Eurofins Analytical Services India Private Limited

Plot no. 157, First Floor, Udyog Vihar, Phase 1, Gurugram - 122016, Haryana, India Phone: 124 625 0300, Email: delhifood@eurofins.com, website: www.eurofins.in, CIN: U73100KA2009PTC049992

Regd. Office: #540/1, Doddanakundi Industrial Area 2, Hoodi, Whitefield, Bengaluru-560048, Karnataka, India, Phone: +91 80 30982500



The Standard Virus effect (germ kill efficacy) of Evaluation

1. MS2 phase virus (ATCC-15597-B1, ATCC-15597) 3.1 x 10⁷ PFU/ml

Sample Particulars:

Plastic film Control & treated with Bio Nano Silver

1. **Dilution Medium Used:** Phosphate *Buffered* Saline Buffer Solution, Tryptic Soy Broth (D/E Neutralizing Broth)

Method of Sterilization: N/A

Contact Time: 24 hrs

Test Microorganism information:

MS2 Bacteriophage (MS2) is an RNA virus of the family Leviviridae. Escherichia coli 15597 are the host for MS2 bacteriophages. Due to its environmental resistance, MS2 bacteriophages are used as a surrogate virus (particularly in place of Picomaviruses such as Poliovirus and human Norovirus) in water quality and Antimicrobial studies.

Virus: MS2 Phase virus

Permissive Host Cell: Escherichia coli ATCC 15597

Eurofins Analytical Services India Private Limited

Plot no. 157, First Floor, Udyog Vihar, Phase 1, Gurugram – 122016, Haryana, India Phone: 124 625 0300, Email: delhifood@eurofins.com, website: www.eurofins.in, CIN: U73100KA2009PTC049992

Regd. Office: #540/1, Doddanakundi Industrial Area 2, Hoodi, Whitefield, Bengaluru-560048, Karnataka, India, Phone: +91 80 30982500



The Standard Virus effect (germ kill efficacy) of Evaluation

1. Test Bacteria: Virus (MS2 PHASE)

Quantita	tive Assessment of	Activity- EASI -MB-S	SOP -32 (In House Method)	
Untreated Sample: Concentration	of Inoculum in un	treated (Uo): 5.21 X 1	.0 ⁵ PFU/ml	Log = 5.75
Untreated Sample: Concentration after 24 hour of incubation (Ut):3.14 X 10 ⁵ PFU/ml				Log = 5.49
No. of Virus recovered in untreated sample (Ut)				314000
Antibacterial Activity: R=(Ut –Uo)	-(At-Uo)			
Sample Identification	No. of Virus Recovered(At)	Log Virus recovered (At)	Antiviral Activity (value criteria : not less than 2)	Viral Kill (% Reduction)
Plastic film treated with Bio Nano Silver	300	2.4	7.79	99.9

Test Report:

The standard Antimicrobial value of Evaluation: R > 2

Conclusion:

When tested as specified Antiviral Test sample Plastic film Control & treated with Bio Nano Silver **PASSES** the quantitative assessment of activity tested as per Ms2 phage Virus In House test method.

Remark:

The product marked as Treated and Untreated with Bio Nano Silver. The Treated plastic film contained minute glitter particles / effect on the surface and film have minute tint shade of brown.

The treated and untreated plastic film has been tested on MS2 Bacteriophage Virus (MS2). Which is an RNA virus of the family Leviviridae. As Escherichia coli 15597 are the host for MS2 bacteriophages.

The MS2 bacteriophages are used as a surrogate virus (particularly in place of Picoma viruses such as Polio virus and human Noro virus).

As (MS2) bacteriophage is a family of Virus, so it is further expected that it may kill/ control all the strains of the Corona / Covid viruses on the surface of the plastic film that has been treated with Bio Nano Silver.

Note: The above results pertain only to the sample tested and applicable parameter.

******END OF TEST REPORT*****



Regd. Office: #540/1, Doddanakundi Industrial Area 2, Hoodi, Whitefield, Bengaluru-560048, Karnataka, India, Phone: +91 80 30982500



Print Date : 15/09/2016

Test Report

SAMPLE NOT DRAWN BY SGS INDIA PVT. LTD.

Report No : GG16-002825.001-R1

JOE No : GG16-002825

: GGR0000381658 BIO NANO SILVER

Report Control No

:

Sample Described by Customer as

Client Name	: KANAK BIOTECH
Client Address	: C-34, SIGADDI GROWTH CENTRE,
City	: KOTDWAR
State	: UTTARAKHAND
Country	: INDIA
Sample Type	: BIO NANO SILVER
Received	: 13/07/2016
Marks on Sample	: 279PPM
Composition	1:10 WITH DISTILLED WATER
Sample Qty. Recd.	100ml
Batch No.	O-NAG-06-16
Mfg. Date	JUNE-2016
Manufactured By	KANAK BIOTECH
Best Before	1 YEAR
Test Start/End Date	: 13/07/2016 - 15/09/2016

This Report/Certificate cancels and supersedes the Report/Certificate No GG16-002825.001 dated 8/31/2016 (MM/DD/YYYY)

(FC

issued by SGS India

Analysis	Method	Result	Unit
Antimicrobial Efficacy Testing	USP : 39		
3 hours (E.coli)		1 log reduction	
24 hours	X	5 log reduction	
7th day		5 log reduction	
14th day		5 log reduction	
28th day		5 log reduction	
3 hours (Pseudomonas		1 log reduction	
Aeruginosa) 24 hours		5 log reduction	
7th day		5 log reduction	
14th day		5 log reduction	
28th day		5 log reduction	

Page 1 of 3

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

"This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any . The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 30 days for all other samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the Company.

Laboratory Services, Plot No-21, Sector-3 IMT Manesar, Gurgoan District, Haryana - 122050, India Tel: 0124-678 7600 SGS India Pvt. Ltd.

Regd & Corp. Off : SGS House, 4B, A.S. Marg, Vikhroli (West), Mumbai-400083. Tel : (022) 25798421 to 28 Fax : (022) 25798431 to 35 www.sgs.com



Test Report

SAMPLE NOT DRAWN BY SGS INDIA PVT. LTD.

Report No

GG16-002825.001-R1

JOE No : GG16-002825

Report Control No : GGR0000381658

This Report/Certificate cancels and supersedes the Report/Certificate No GG16-002825.001 dated 8/31/2016 (MM/DD/YYYY) issued by SGS India

Analysis	Method	Result	Unit
3 hours (Staphylococcus aureus)		1 log reduction	
24 hours		5 log reduction	
7th day		5 log reduction	
14th day		5 log reduction	
28th day		5 log reduction	
3 hours (Candida albicans)		No reduction	
24 hours		5 log reduction	
7th day		5 log reduction	
14th day		5 log reduction	
28th day		5 log reduction	
3 hours (Aspergillus Brasiliensis)		No reduction	
24 hours		No reduction	
7th day	0	5 log reduction	
14th day	NY.	5 log reduction	
28th day	\mathcal{C}	5 log reduction	

Remark : The sample complies with respect to the above test as per the USP 39 specification, bio nano silver (1:10) with water is an effective antimicrobial on the above microorganism within 3 hours - 28 days.

Page 2 of 3

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

"This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any . The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 30 days for all other samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the Company.

Laboratory Services, Plot No-21, Sector-3 IMT Manesar, Gurgoan District, Haryana - 122050, India Tel: 0124-678 7600 SGS India Pvt. Ltd.

Regd & Corp. Off : SGS House, 4B, A.S. Marg, Vikhroli (West), Mumbai-400083. Tel : (022) 25798421 to 28 Fax : (022) 25798431 to 35 www.sgs.com



Print Date : 15/09/2016

Test Report

SAMPLE NOT DRAWN BY SGS INDIA PVT. LTD.

JOE No : GG16-002825

Report No : GG16-002825.001-R1

Report Control No : GGR0000381658

This Report/Certificate cancels and supersedes the Report/Certificate No GG16-002825.001 dated 8/31/2016 (MM/DD/YYYY) issued by SGS India

Per pro SGS India Private Ltd

Horislankis dag.

HariShanker Jha Section Incharge - AFL Authorized Signatory

****End of Report****

Page 3 of 3

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

"This document is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any . The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample (s) tested and such sample(s) are retained for 7 days (in case of perishable items) and 30 days for all other samples. The samples from regulatory bodies are to be retained as specified. This document cannot be reproduced except in full, without prior written approval of the Company_

Laboratory Services, Plot No-21, Sector-3 IMT Manesar, Gurgoan District, Haryana - 122050, India Tel: 0124-678 7600 SGS India Pvt. Ltd.

Regd & Corp. Off : SGS House, 4B, A.S. Marg, Vikhroli (West), Mumbai-400083. Tel : (022) 25798421 to 28 Fax : (022) 25798431 to 35 www.sgs.com



M/S ORGANIC PLAST

B-2, F.I.E Patparganj Industrial Area, New Delhi 110092 Phone : 011-4775 4770, +91 999971995 Email: contact@organicplast.com Website: www.organicplast.com

Notice : No freedom from infringement of any patent owned by Organic Plast or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Organic Plast is represented. The claims made may not have been approved for use in all countries. Nano Kanak Biotech assumes no obligation or liability for the information in this document.

NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.